

REMARKS/ARGUMENTS

The Office Action mailed December 4, 2003 has been reviewed and carefully considered. Claims 4, 5, 9, 10, 21, 22, 26, and 27 are canceled. Claims 1, 6, 18, and 23 have been amended and claims 35-38 are added. Claims 1-3, 6-8, 11-20, 23-25, and 28-38 are pending in this application, with claims 1, 6, 11, 18, 23, and 28 being the only independent claims. Reconsideration of the above-identified application, as herein amended and in view of the following remarks, is respectfully requested.

In the Office Action mailed December 4, 2003, claims 1-15 and 18-32 stand rejected under 35 U.S.C. §103 as unpatentable over WO 97/44943 (Suominen) in view of U.S. Patent No. 5,887,249 (Schmid).

Claims 16 and 33 stand rejected under 35 U.S.C. §103 as unpatentable over Suominen and Schmid and further in view of U.S. Patent No. 6,064,880 (Alanara).

Claims 17 and 34 stand rejected under 35 U.S.C. §103 as unpatentable over Suominen and Schmid and further in view of U.S. Patent No. 6,088,594 (Kingdon).

Before discussing the cited prior art and the Examiner's rejections of the claims in view of that art, a brief summary of the present invention is appropriate. The present invention relates to a method and system for enabling a user to remotely control intelligent network services using a terminal device connected to another telecommunication network (see page 4, lines 6-8, of the specification). According to the invention, the user's terminal equipment TE is connected to the Intelligent Network by a second telecommunication network comprising a digital mobile communication network (page 11, lines 7-8). The intelligent network includes a gateway GW connecting the intelligent network to the digital mobile communication network (see Figs 1-3).

To transmit information from the terminal equipment to the service control point (SCP) of the intelligent network, the user applies specific properties, such as short message or

USSD (page 11, lines 19-21). The gateway receives information from the terminal equipment and modifies the information into a database interface operation understood by the SCP (page 12, lines 1-2). The gateway GW may be provided with a table for converting fixed-format messages into database interface operations (page 12, lines 2-4).

The SCP may also send information or a request to the terminal equipment by sending the information or request to the gateway GW (page 11, lines 8-10). The GW converts the information into a form compatible with the digital mobile communication network (page 11, lines 10-13). The SCP may use a list in the GW to define the type of message being transmitted (page 11, lines 13-15).

Independent claims 1 and 18

Independent claims 1 and 18 are directed to a method and system for modification and transmission of one of intelligent network service data and service parameters. Independent claims 1 and 18 have each been amended to indicate that the second telecommunication network is a digital mobile telephone network and recite “connecting the second telecommunication network to one of a service logic system of the service control point and the service data point of the intelligent network via a gateway” and “modifying one of a service data parameter and service logic of the service logic system of the service control point using a protocol supported by the second telecommunication network”.

Suominen and Schmid, either alone or in combination, fail to teach or suggest the claimed limitations because (1) Suominen teaches modifying an intelligent network using a web browser, and (2) Schmid discloses a method which operates within a single network.

Suominen discloses a system for managing subscriber related services within a telecommunication network. According to Suominen, a computer 4 is connected to server platform 1 by an internet-network 7 or other corresponding network 7' (see Fig. 1 and page 4, line 35 to page 5, line 4 of Suominen). A graphic presentation is made for the services coupled to the subscriber and a service menu, from which the subscriber may couple for himself extra services (see page 5, lines 9-15). Suominen further states that the graphic presentation is a www-page (see page 5, lines 15-16). Thus, Suominen discloses modification of parameters via the internet. On page 6, lines 15-25, Suominen also discloses that instead of the internet, any graphical interface may be used. Suominen further discloses that another corresponding network 7' can be used but does not provide any specific examples of other networks. Accordingly, Suominen fails to teach or suggest that the network 7 or 7' is or may be a digital mobile telephone network.

Schmid discloses a method and apparatus for remotely establishing a cellular service account for a cellular telephone. Fig. 4 of Schmid discloses the steps for establishing an account. According to Schmid, a radio telephone 30 may initiate a process for establishing a cellular service account in a cellular system (see col. 6, lines 1-4, of Schmid). The cellular system generates prompts for input of account information and sends the prompts to the radio telephone using an SMS (col. 7, lines 46-52). The radio telephone answers the prompts by generating an SMS page including the account information and sends the SMS page to the cellular system (col. 7, lines 63-66). The cellular system then stores the account information in the cellular system (col. 8, lines 1-2). The cellular system may send a subsequent SMS page to the radio telephone with phone configuration parameters and the phone can be programmed in

response thereto (col. 8, lines 34-47). As indicated at col. 11, lines 7-12 of Schmid, the process described in Schmid is expressly intended for the first usage of the radio telephone.

As shown in Fig. 1 of Schmid, the cellular system in which the account is activated is the same mobile telecommunication network to which the radio telephone is connected. Accordingly, the process disclosed by Schmid only operates within a single network. Schmid thus fails to teach or suggest how a user could modify a service data parameter or service logic of a service logic system in an intelligent network using a protocol supported by a second communication network (i.e., a digital mobile telecommunication network), as is expressly recited in independent claims 1 and 18.

The Examiner alleges that col. 11, lines 12-13, of Schmid teaches integrating SMS messaging into an intelligent network. In fact, however, this section of Schmid merely states that “Intelligent Network (‘IN’) concepts may be used to initiate the programming method”. Furthermore, the Examiner also alleges that col. 9, lines 29-37, and col. 4, lines 50-60 in Schmid disclose using two different protocols. However, these sections merely teach that messages between different elements of the network, such as between an MSC and a subscriber database and a message center (col. 4, lines 41-43), between the phones and the base stations (col. 4, lines 52-57), and between the activation center and the message center (col. 9, lines 29-37), use different standards. And even if, arguendo, the standards are considered to be protocols (which they are not), the different standards are used in Schmid between elements within a single network. As a consequence, there is no teaching or suggestion in Schmid for modifying one of a service data parameter and service logic of the service logic system of the service control point using a protocol supported by the digital mobile communication network, as is expressly recited

in independent claims 1 and 18, at least because Schmid fails to disclose or suggest a second network.

Since Suominen discloses only modifying intelligent networks with a web browser and Schmid discloses operation within a single network to which the mobile telephone is connected, the combination of Suominen in view of Schmid fails to teach or suggest “modifying one of a service data parameter and service logic of the service logic system of the service control point using a protocol supported by the second telecommunication network”, and it is therefore respectfully submitted that independent claims 1 and 18 are allowable over the combination of Suominen and Schmid.

Independent claims 6 and 23

Independent claims 6 and 23 are directed to a method and system for modification of one of intelligent network services and service logic. Independent claims 6 and 23 have similarly been amended to expressly state that the second telecommunication network is a digital mobile telephone network and recite “connecting the second telecommunication network to service logic of the service control point of the intelligent network via a gateway” and “modifying the service logic of the intelligent network using a protocol supported by the second telecommunication network”.

As pointed out above, Suominen discloses modifying intelligent networks with a web browser and accordingly fails to teach or suggest “modifying the service logic of the intelligent network using a protocol supported by the second telecommunication network”. Schmid merely discloses a method for activating or establishing a service account within a single network to which the mobile telephone is connected, and fails to teach or suggest a second

telecommunication network. Therefore Suominen and Schmid, taken individually or in combination, fail to teach or suggest “modifying the service logic of the intelligent network using a protocol supported by the second telecommunication network” as recited in claims 6 and 23.

Independent claims 6 and 23, as amended, furthermore specifically recite modifying and service logic. In contrast, Schmid relates to changing a service, i.e. activating a particular service, which is different from modifying a service logic. In view of those amendments and remarks, independent claims 6 and 23 are requestfully deemed allowable over the combination of Suominen and Schmid.

Independent claims 11 and 28

Independent claims 11 and 28 are directed to a method and device for modifying an intelligent network service parameter in a telecommunication system comprising an intelligent network. Independent claims 11 and 28 recite “transmitting the service parameter, as a text message by means of the terminal device, to the gateway”, “converting, in the gateway, the transmitted text message to a service parameter format of the intelligent network”, and “transmitting the converted service parameter from the gateway to the service data point”.

As pointed out above, Suominen discloses modifying intelligent networks with a web browser. Suominen fails to disclose transmitting a service parameter as a text message to a gateway of the intelligent network. Schmid discloses establishing a service account using a mobile phone, wherein the service account is in the same mobile telephone network to which the mobile phone is connected. Since Schmid discloses that the service being activated is connected to the same network in which the telephone is connected, Schmid fails to teach or suggest the

recited steps of “transmitting the service parameter, as a text message by means of the terminal device, to the gateway”, “converting, in the gateway, the transmitted text message to a service parameter format of the intelligent network”, and “transmitting the converted service parameter from the gateway to the service data point” of claims 11 and 28. Even though Schmid discloses that intelligent network concepts may be used, the process taught by Schmid is performed within a single network. Accordingly, Schmid fails to teach or suggest communications between a mobile telephone network and an intelligent network, as is expressly recited in independent claims 11 and 28. It is therefore respectfully submitted that independent claims 11 and 28 are allowable over the combination of Suominen and Schmid.

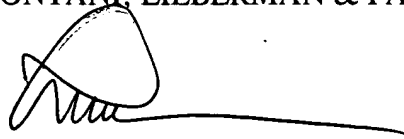
Dependent claims 2-3, 7-8, 12-17, 19-20, 24-25, and 29-38, each being dependent on one of independent claims 1, 6, 11, 18, 23 and 28, are allowable for at least the same reasons as are independent claims 1, 6, 11, 18, 23, and 28.

New claims 35-38 have been added to specifically recite that the modification of the intelligent network is performed in response to a message sent from the second telecommunication network to the gateway of the intelligent network. Support for these claims is found at page 12, lines 5-18 in the specification.

This application is now deemed to be in condition for allowance, and early notice to that effect is solicited.

Respectfully submitted,

COHEN, PONTANI, LIEBERMAN & PAVANE

A handwritten signature in dark ink, appearing to read 'Lance J. Lieberman', written over a horizontal line.

By _____

Lance J. Lieberman
Reg. No. 28,437
551 Fifth Avenue, Suite 1210
New York, New York 10176
(212) 687-2770

Dated: April 5, 2004